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- (71) Applicant (*for all designated States except US*): STATOIL ASA [NO/NO]; I & K IR PAT, N-4035 Stavanger (NO).
- (71) Applicant (*for GB only*): COCKBAIN, Julian [GB/GB]; 42 Southmoor Road, Oxford OX2 6RD (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): EDWIN, Emil [NO/NO]; Statoil ASA, I & K IR PAT, N-4035 Stavanger (NO). ARNESEN, Tore [NO/NO]; Statoil ASA, I & K IR PAT, N-4035 Stavanger (NO). AASER, Knut-Ivar [NO/NO]; Statoil ASA, I & K IR PAT, N-4035 Stavanger (NO). RYTTER, Erling [NO/NO]; Statoil ASA, I & K IR PAT, N-4035 Stavanger (NO). JOHANSEN, Johan, Arnold [NO/NO]; Statoil ASA, I & K IR PAT, N-4035 Stavanger (NO).
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(54) Title: METHOD FOR CONVERSION OF HYDROCARBONS

(57) Abstract: The invention provides a method for the conversion into carbon of gaseous hydrocarbons extracted from a natural hydrocarbon reservoir, which method comprises contacting said gaseous hydrocarbon at an elevated temperature in a reactor with a catalyst capable of converting said hydrocarbon to carbon and hydrogen; burning hydrogen produced by the conversion of the hydrocarbon, optionally after separating hydrogen produced from unconverted hydrocarbon, burning said hydrogen to generate energy; and using the energy generated to heat said reactor or the gaseous hydrocarbon flow thereto, or to heat or power a heat or power consuming apparatus.

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